

**Practice B**

For use with pages 108–113

Find the quotient.

1.  $-52 \div 4$

2.  $72 \div (-12)$

3.  $-56 \div (-7)$

4.  $-2 \div 18$

5.  $-3 \div \left(-\frac{3}{7}\right)$

6.  $-36 \div (-90)$

7.  $-80 \div \frac{5}{6}$

8.  $38 \div \left(-3\frac{4}{5}\right)$

9.  $3.6 \div 0.15$

10.  $-13.5 \div 1.5$

11.  $\frac{-42}{-\frac{6}{7}}$

12.  $\frac{72}{-\frac{9}{10}}$

Simplify the expression.

13.  $-15x \div \frac{3}{5}$

14.  $-6y \div \left(-\frac{1}{3}\right)$

15.  $48x \div \left(-\frac{6}{7}\right)$

16.  $\frac{c}{8} \div 8$

17.  $-\frac{3b}{8} \div \left(-\frac{3}{4}\right)$

18.  $28k \div \left(-1\frac{3}{5}\right)$

19.  $-44y \div \left(2\frac{4}{9}\right)$

20.  $-16x^2 \div \left(-\frac{2}{3}\right)$

21.  $\frac{-36a}{40b} \div \frac{9a}{-10}$

Evaluate the expression for the given values of the variables.

22.  $\frac{x-2}{y}$ , when  $x = 8$  and  $y = 2$

23.  $\frac{4}{x-y}$ , when  $x = 17$  and  $y = 1$

24.  $\frac{3x+y}{x}$ , when  $x = 1$  and  $y = 15$

25.  $\frac{10-2x}{y}$ , when  $x = 8$  and  $y = \frac{1}{3}$

26.  $\frac{4+x^2}{y}$ , when  $x = -4$  and  $y = 2$

27.  $\frac{3x^2-4}{y}$ , when  $x = 6$  and  $y = 8$

28.  $\frac{xy}{x+y}$ , when  $x = 3$  and  $y = -3$

29.  $\frac{6x-4y}{xy}$ , when  $x = -\frac{1}{2}$  and  $y = -\frac{3}{4}$

30. **Yearbook Ads** You are in charge of the layout for ads in the back of the yearbook. The area available on one page is 63 square inches. If you put four ads of the same size on one page, how much area does each ad receive?

31. **Fund-Raising** You sell subs to raise money for your school. Each sub sells for \$3.25. You raise \$117. How many subs did you sell?

32. **Skydiving** You are skydiving. You descend  $882\frac{1}{2}$  feet in 5 seconds. What is your velocity?

33. **Stock** You own 14 shares of stock in a sporting goods company. The total value of the shares changes by  $-\$2.94$ . By how much does the value of each share of stock change?